

**Fig. 1**

12

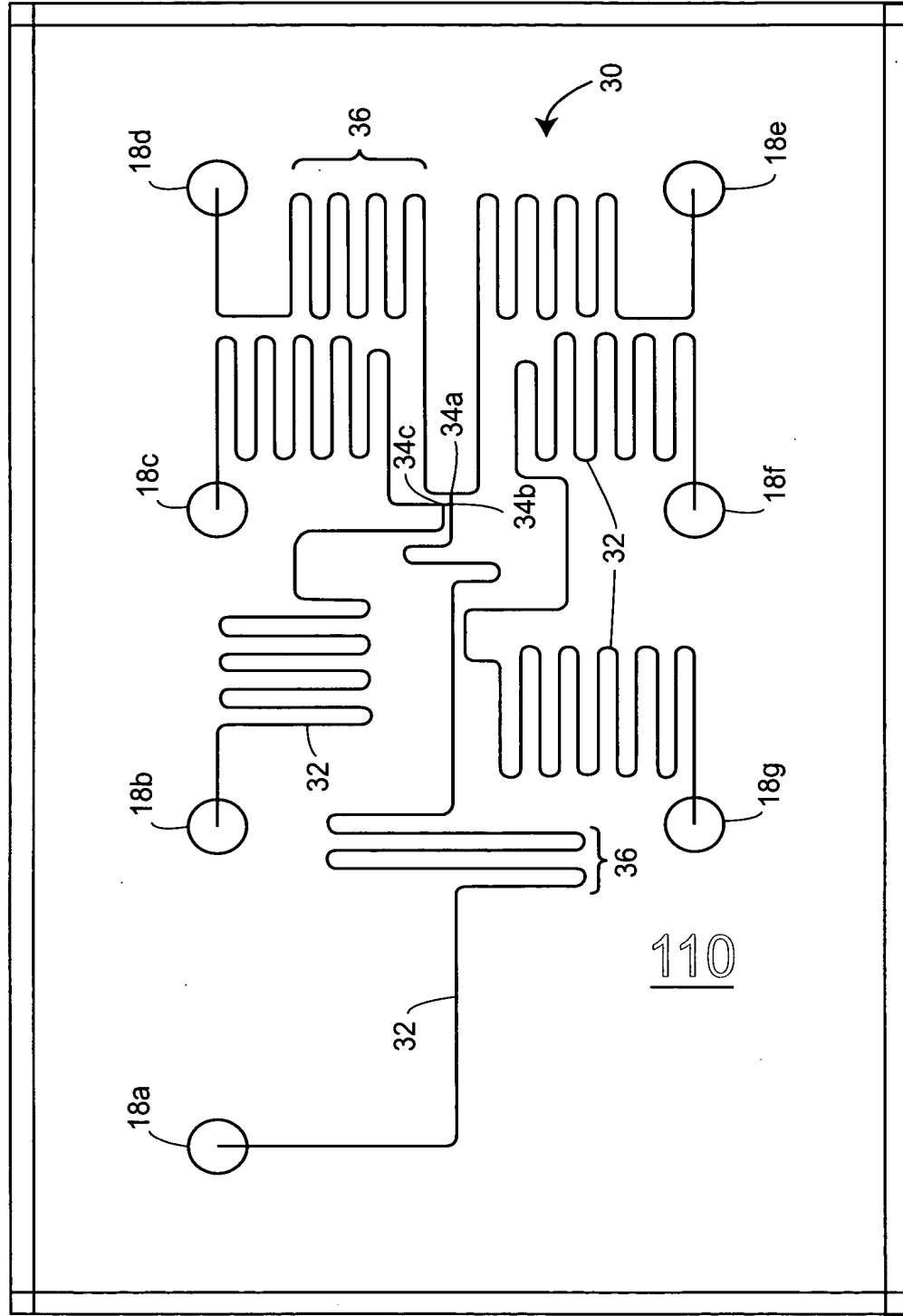


Fig. 2

Fig. 3A

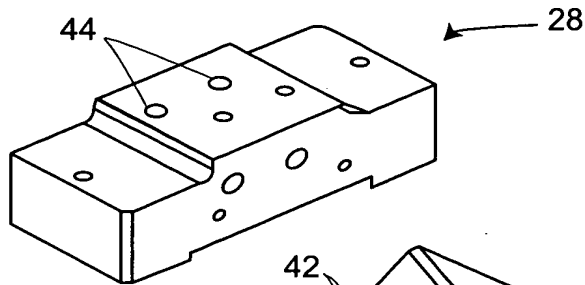


Fig. 3B

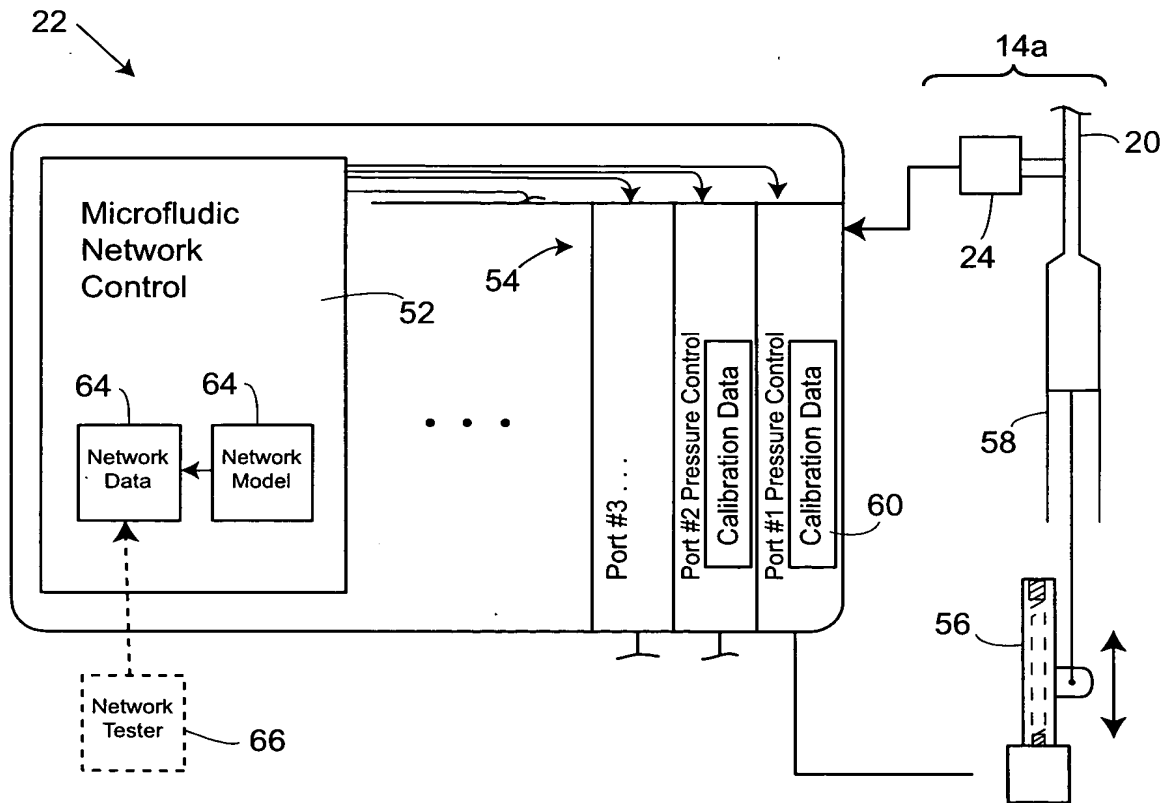
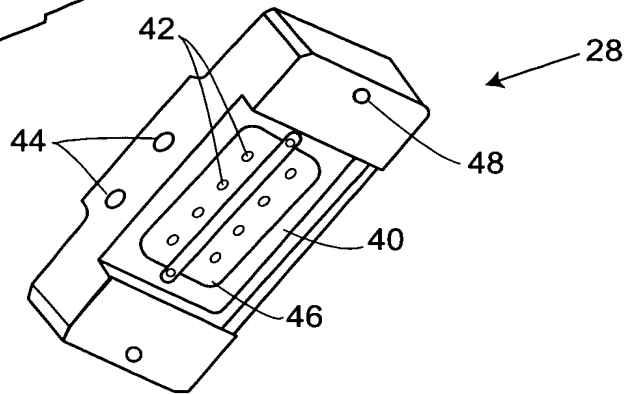
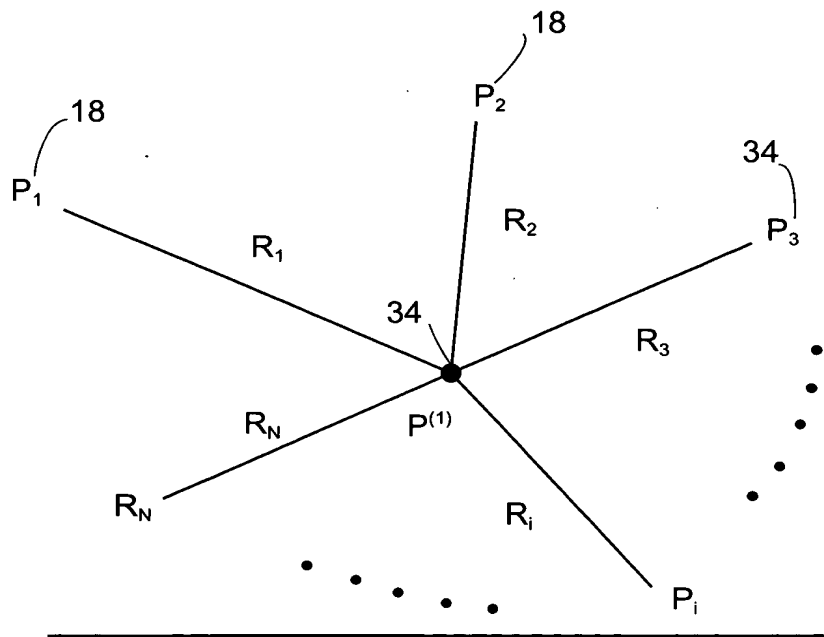
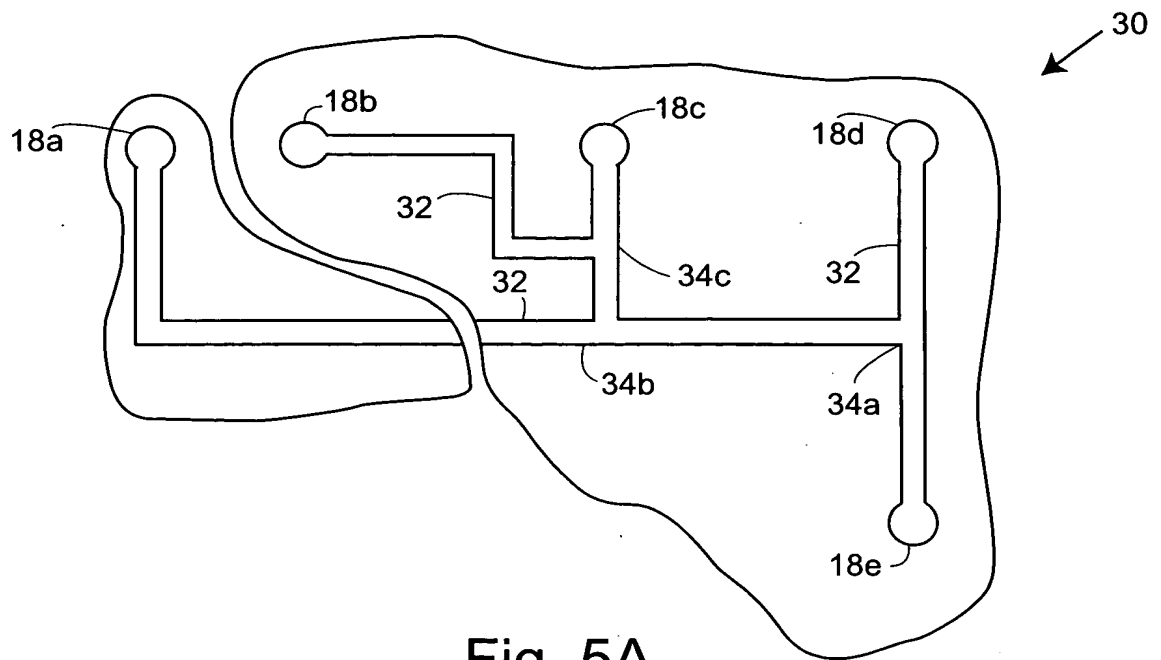


Fig. 4



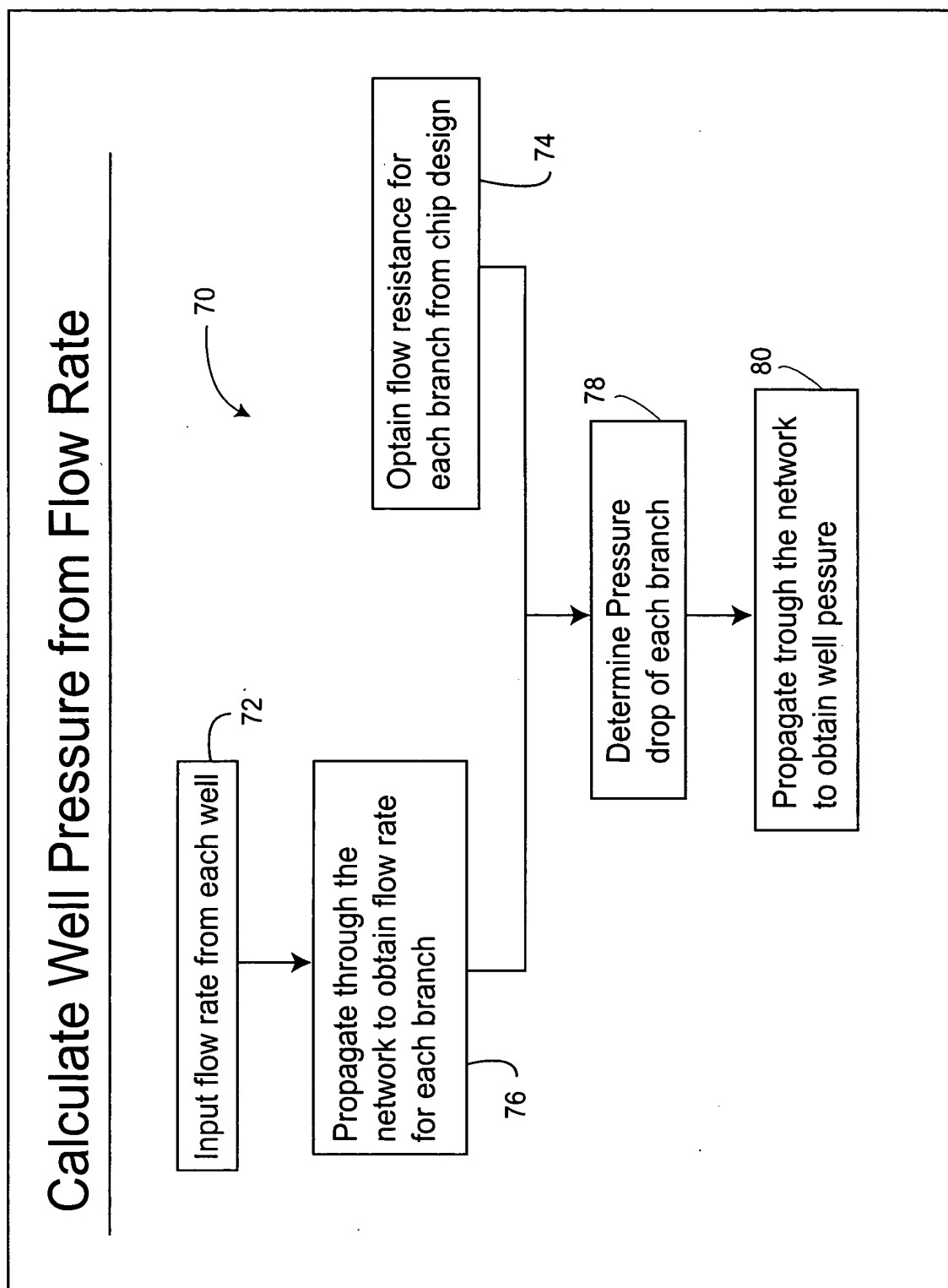


Fig. 5C

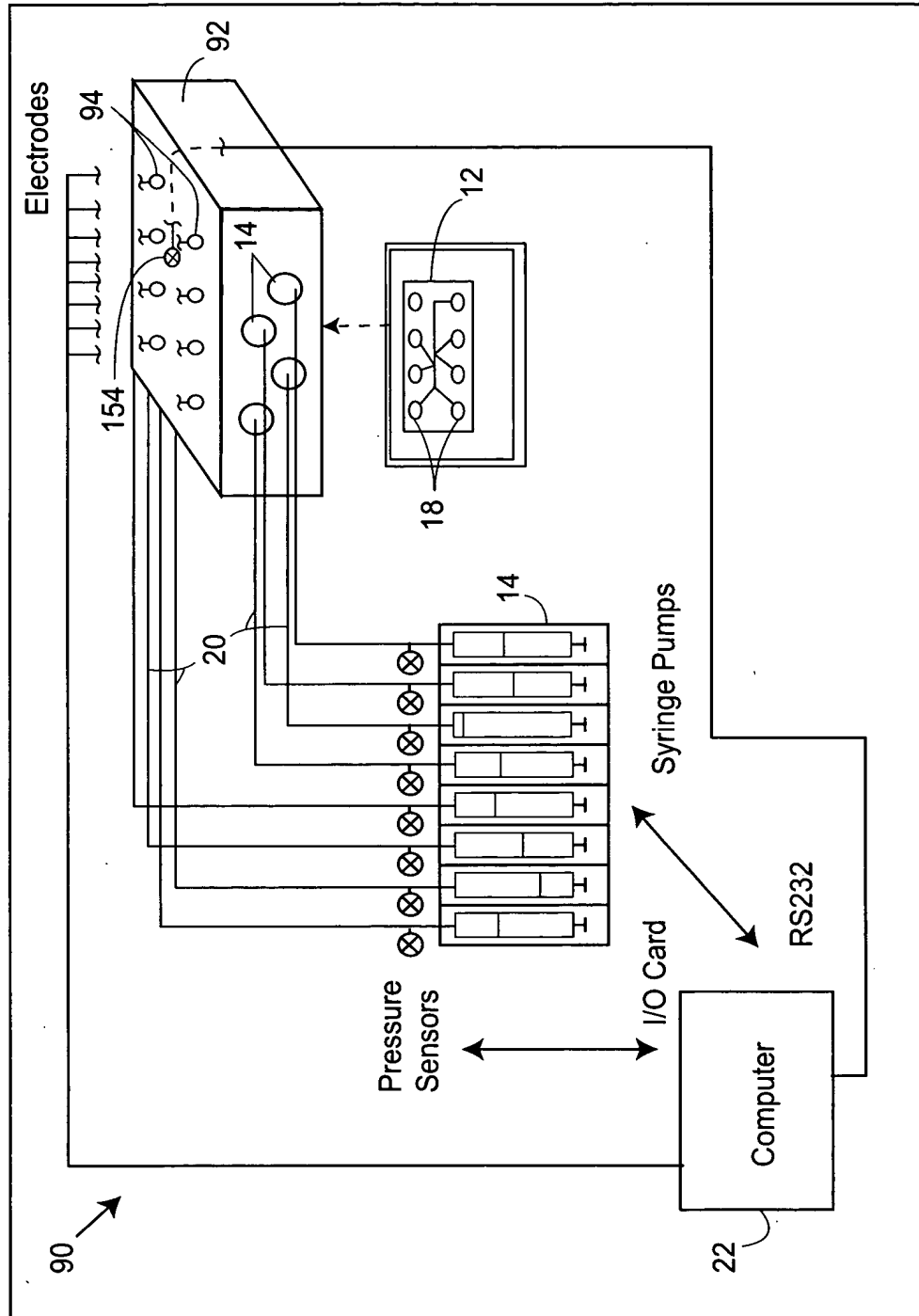


Fig. 6

7/31

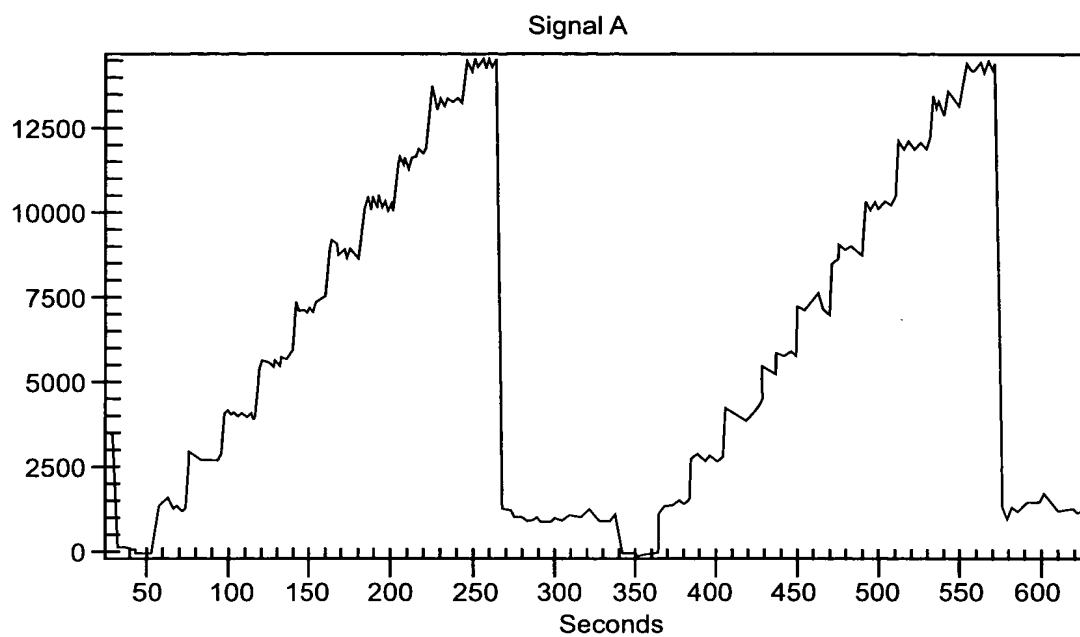


Fig. 7A

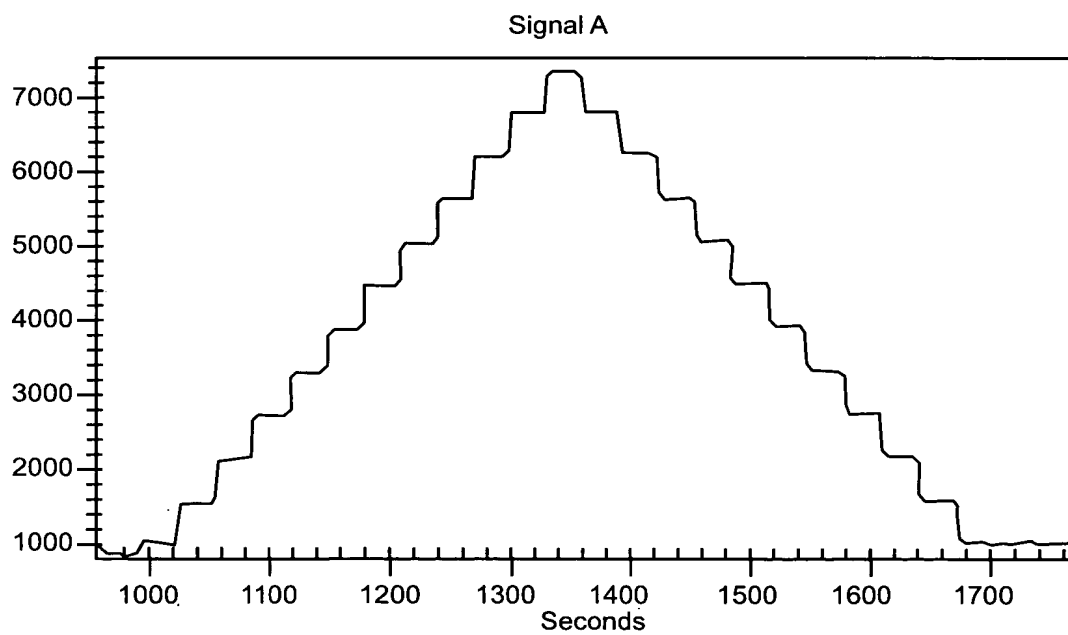
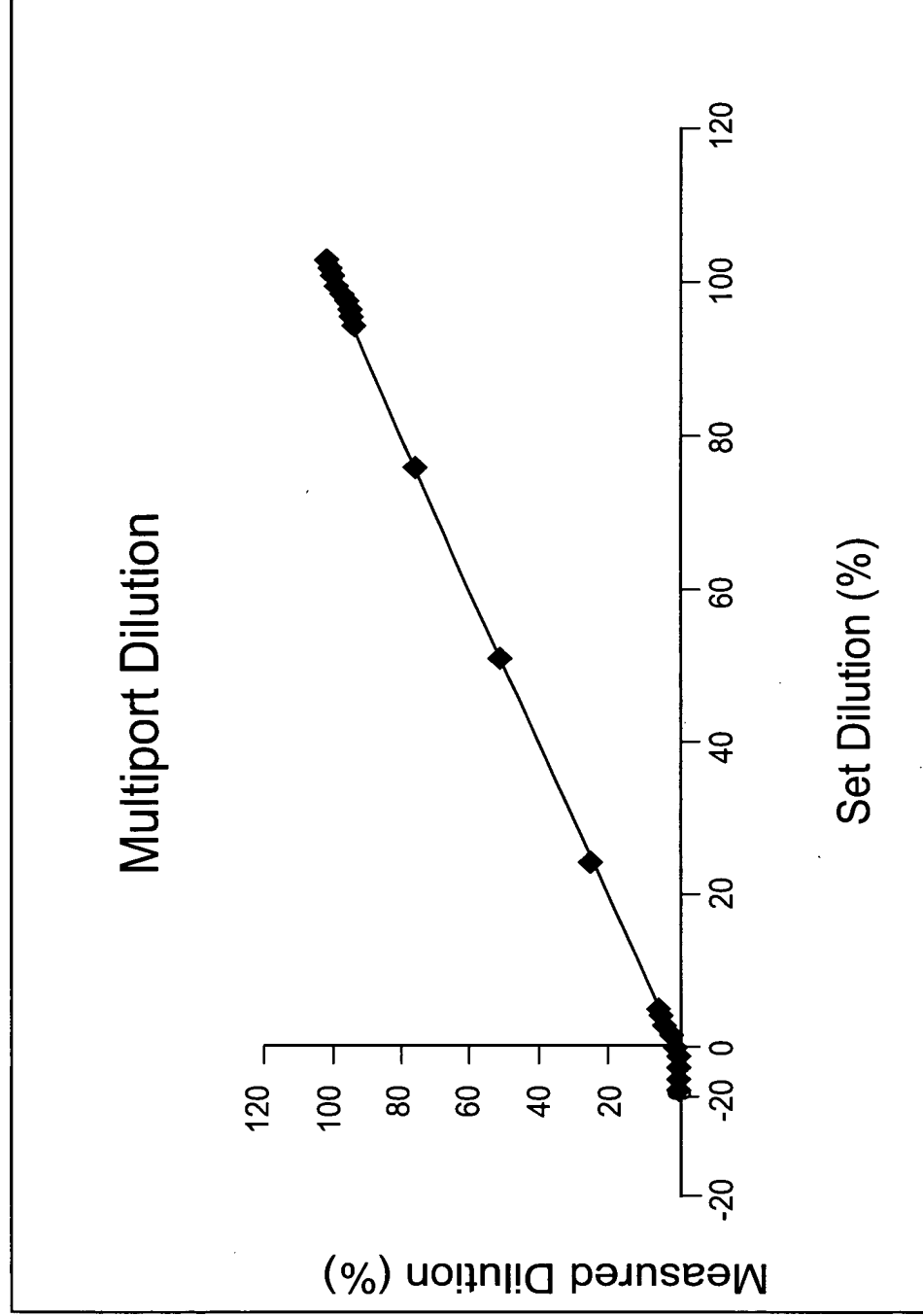


Fig. 7B

# Dye Dilution



8/31

Fig. 7C



9/31

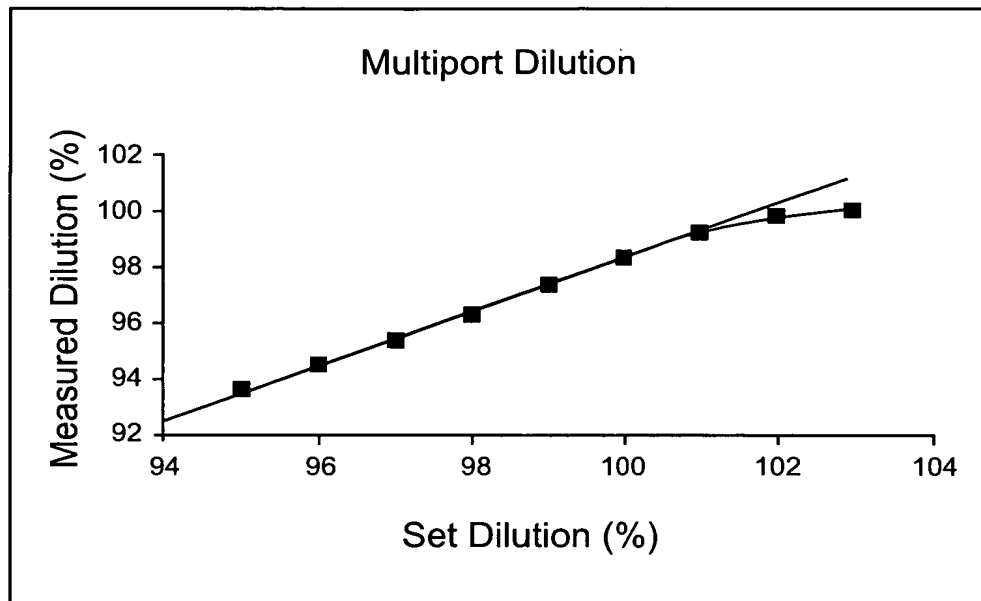


Fig. 7D

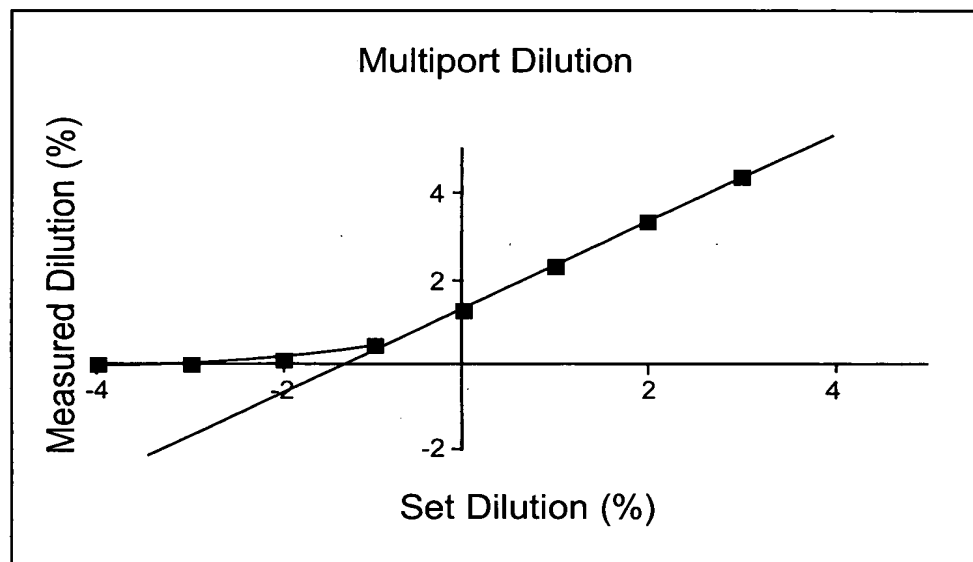
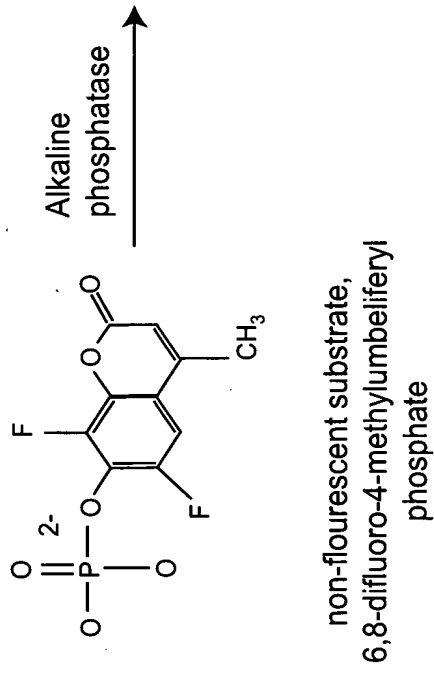


Fig. 7E

## Phosphatase Reaction

### Dephosphorylation of dFMUP



Max Excitation: 360 nm  
Max Emission: 450 nm  
e: 18,00  
pK: 4.9  
Q. Y.: 0.89

Fig. 8

## Continuous Flow Enzyme Titration

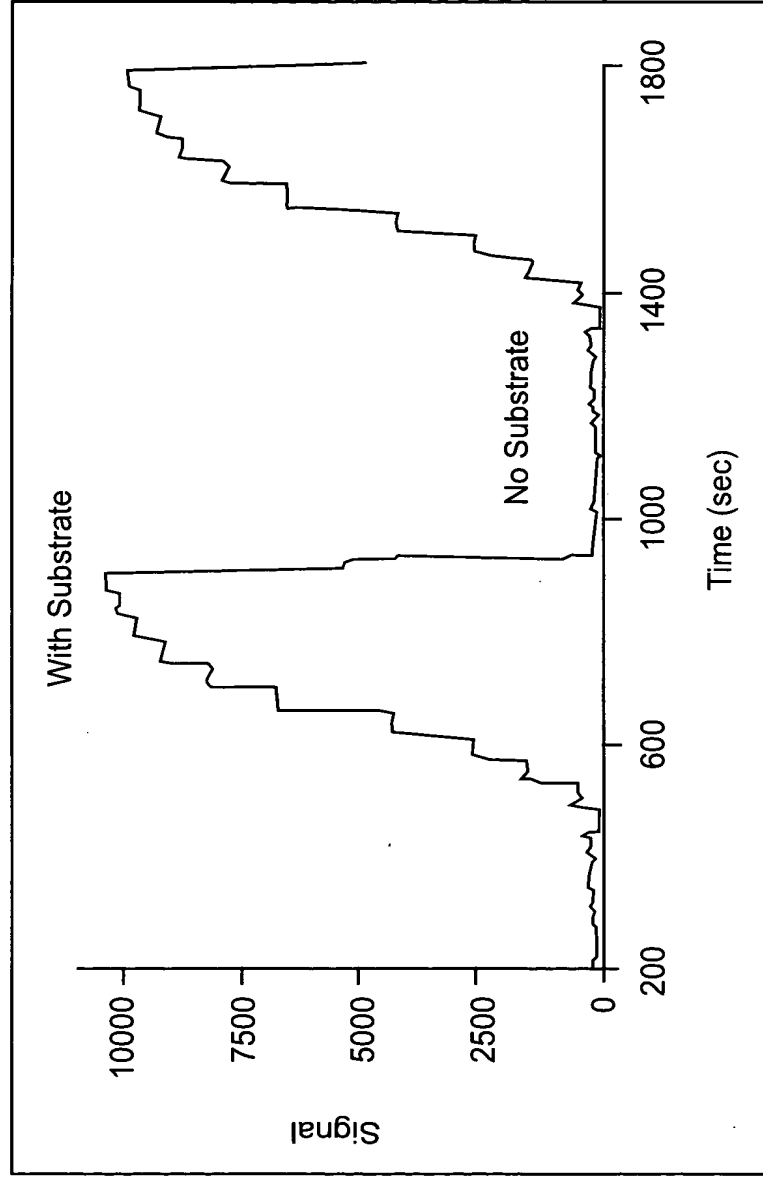


Fig. 8A

## Continuous Flow Enzyme Titration

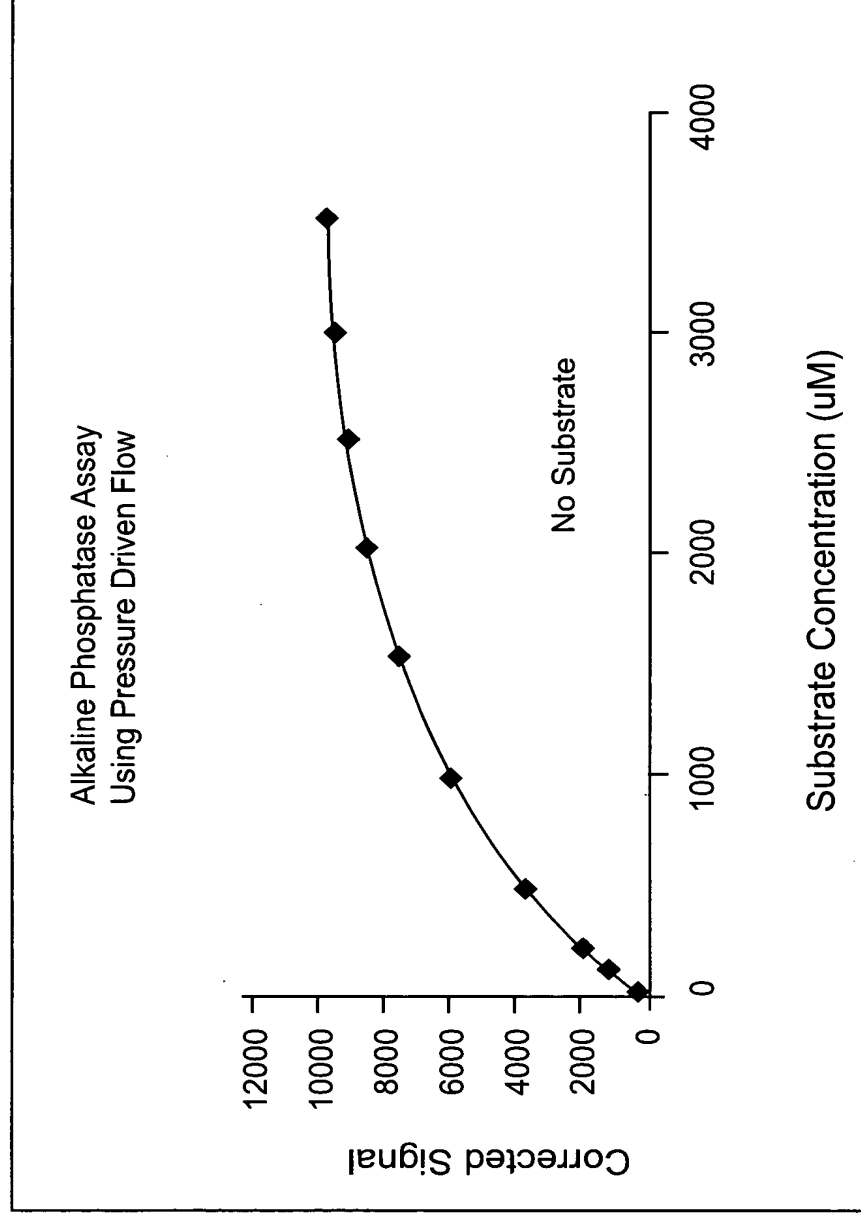


Fig. 8B

## $K_m$ Determination

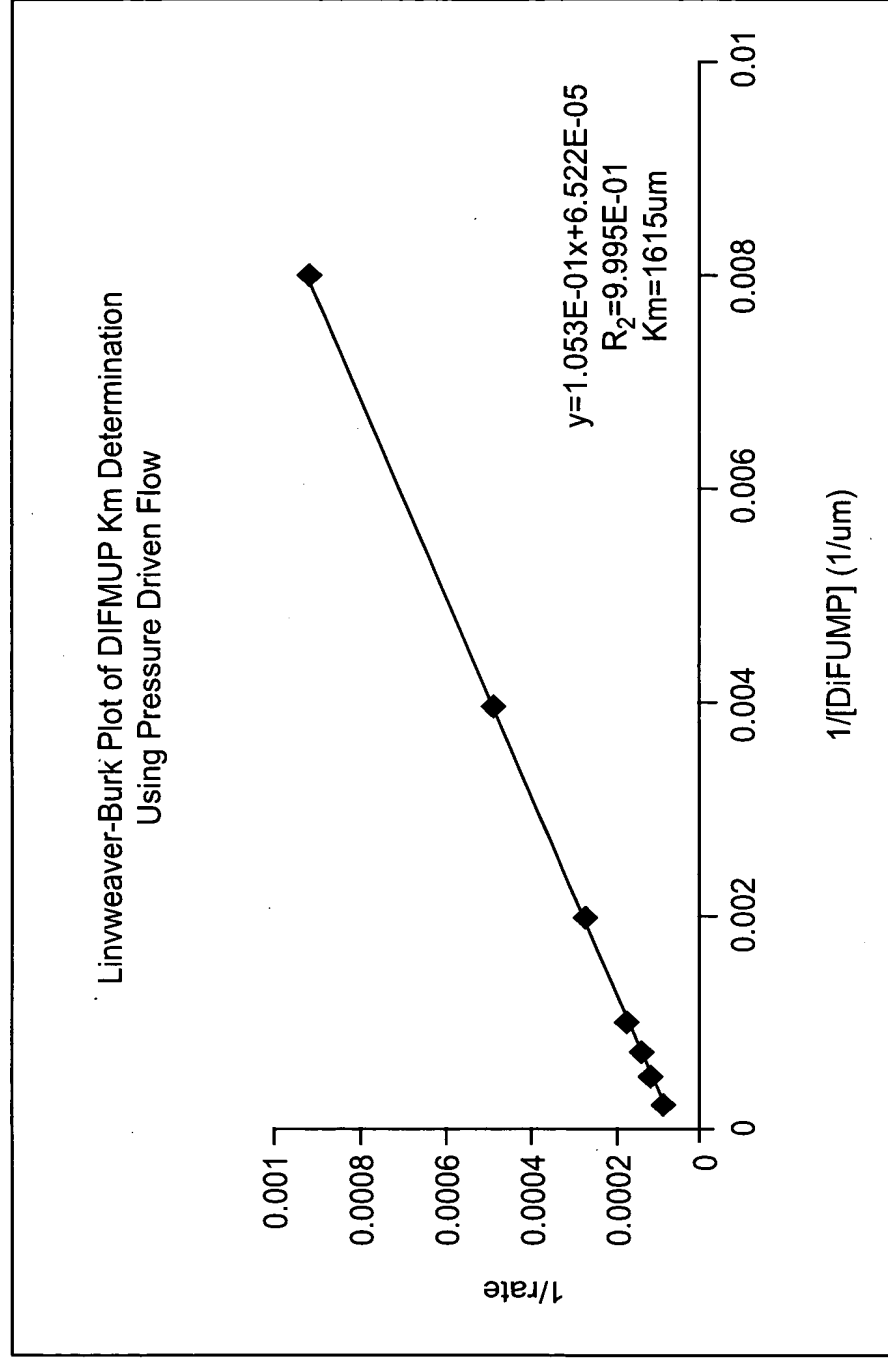


Fig. 8C

## Phosphatase Assay: Substrate Titration

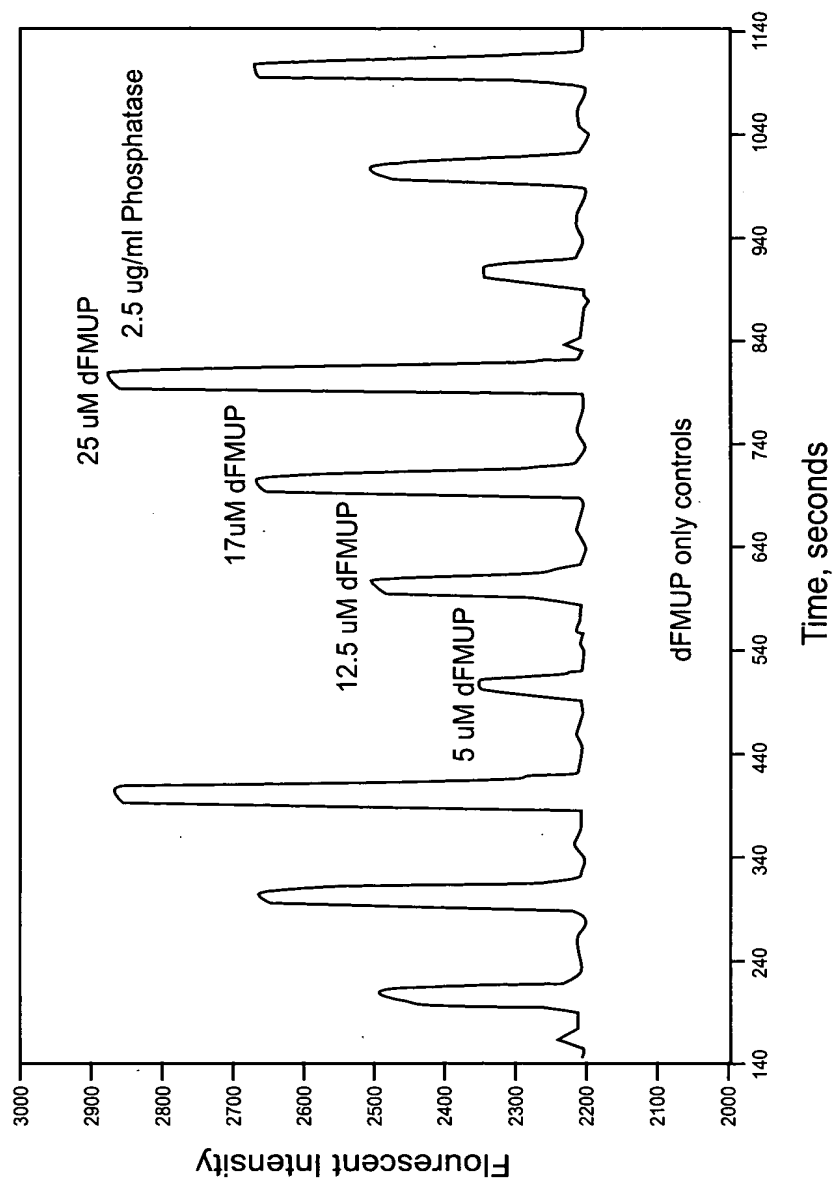


Fig. 8D

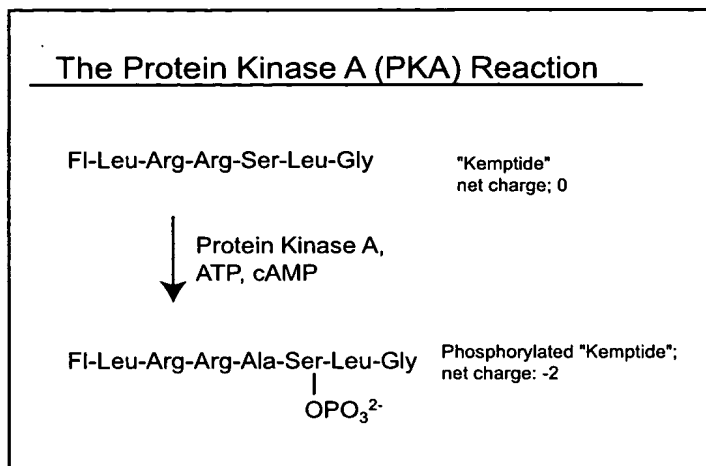


Fig. 9A

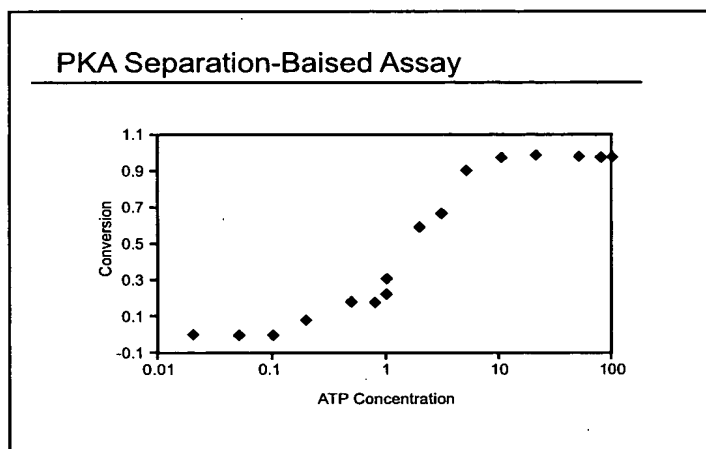


Fig. 9B

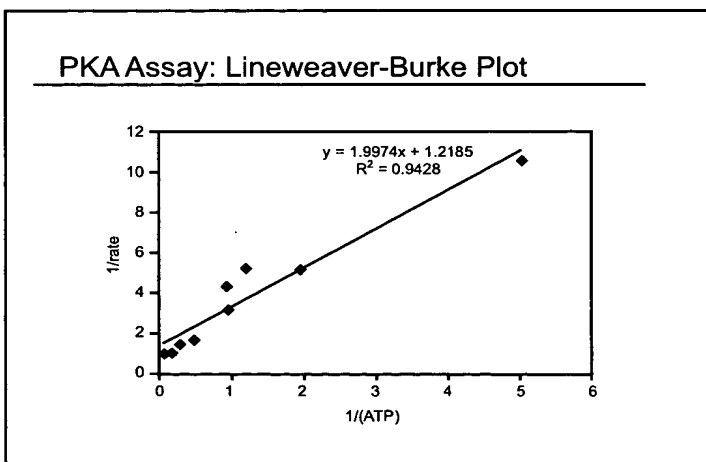


Fig. 9C

16/31

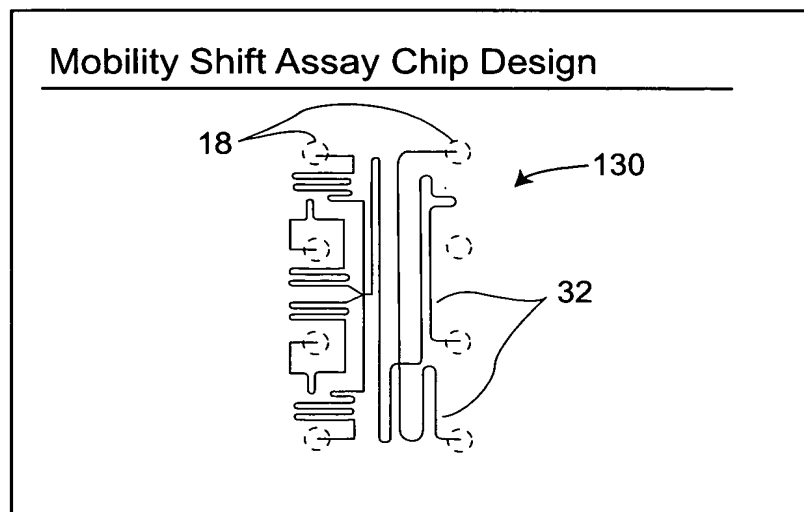


Fig. 10A

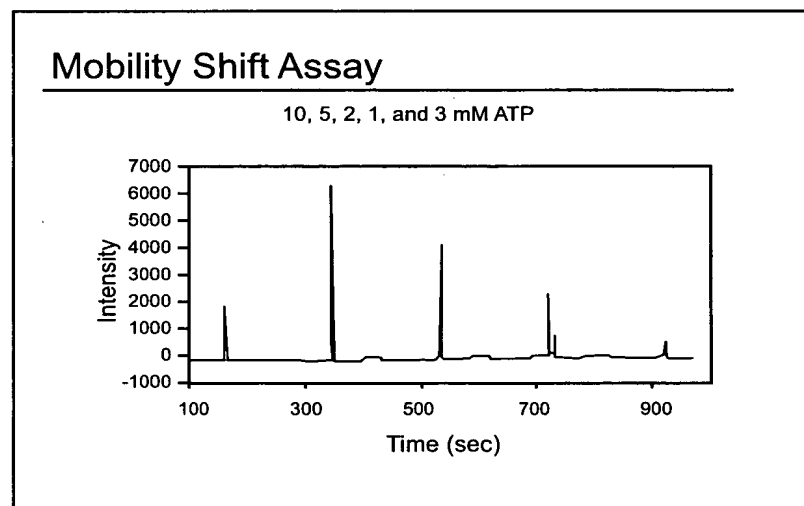


Fig. 10B



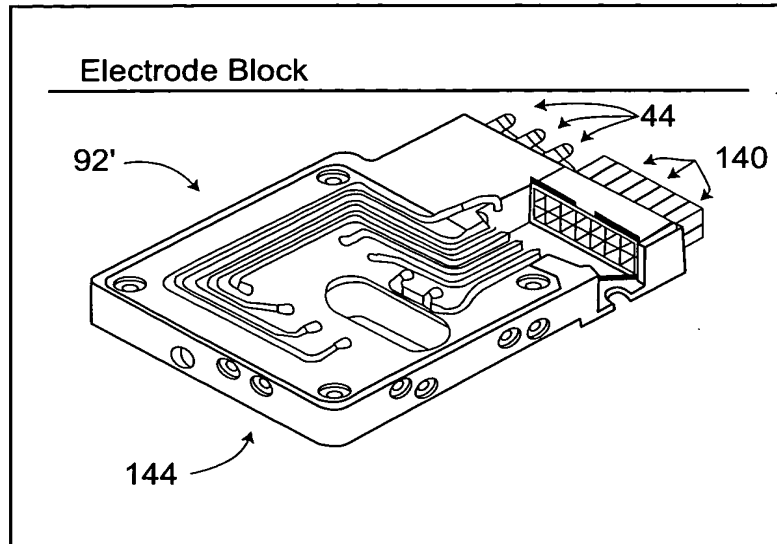


Fig. 11A

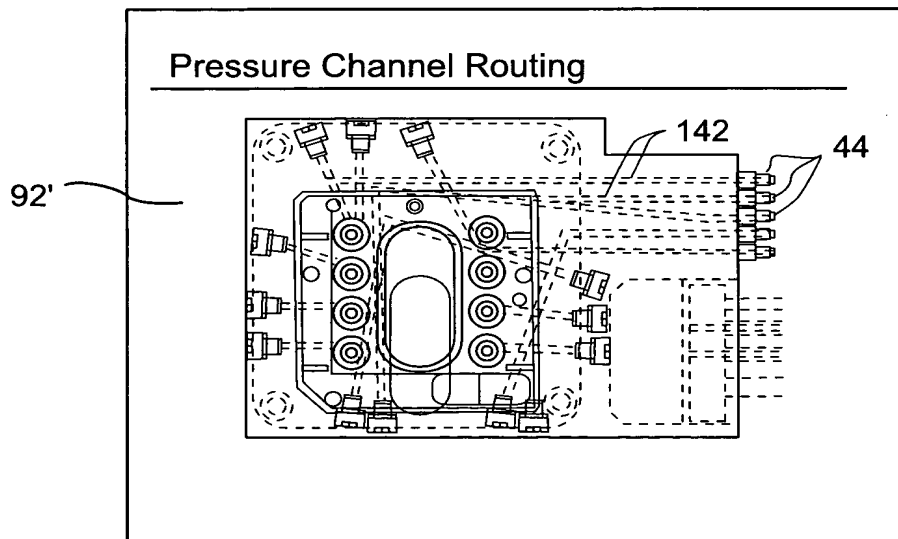


Fig. 11B

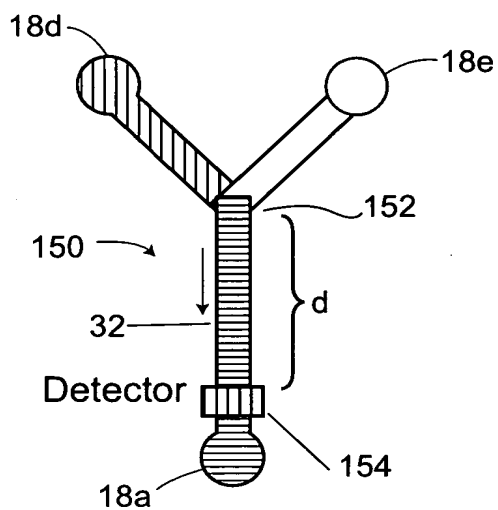


Fig. 12

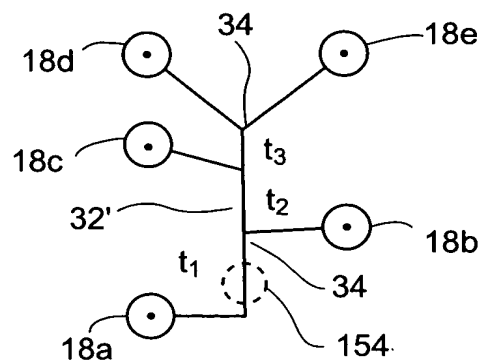


Fig. 13A

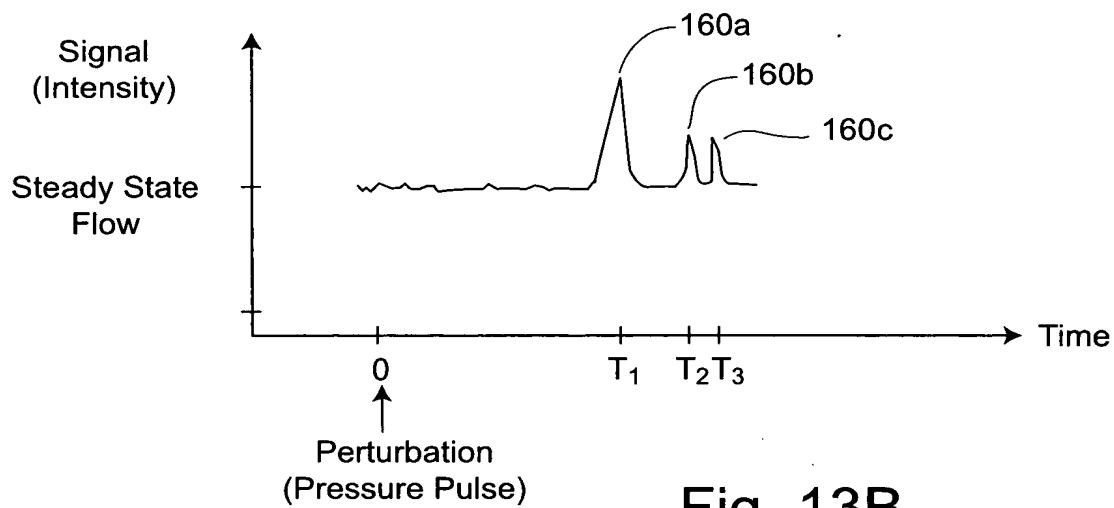


Fig. 13B

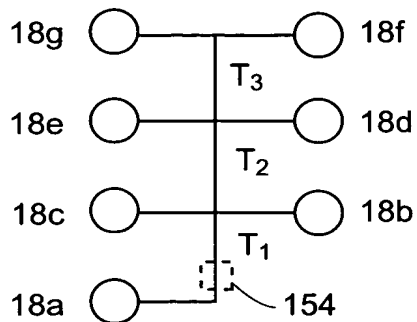


Fig. 13C

19/31

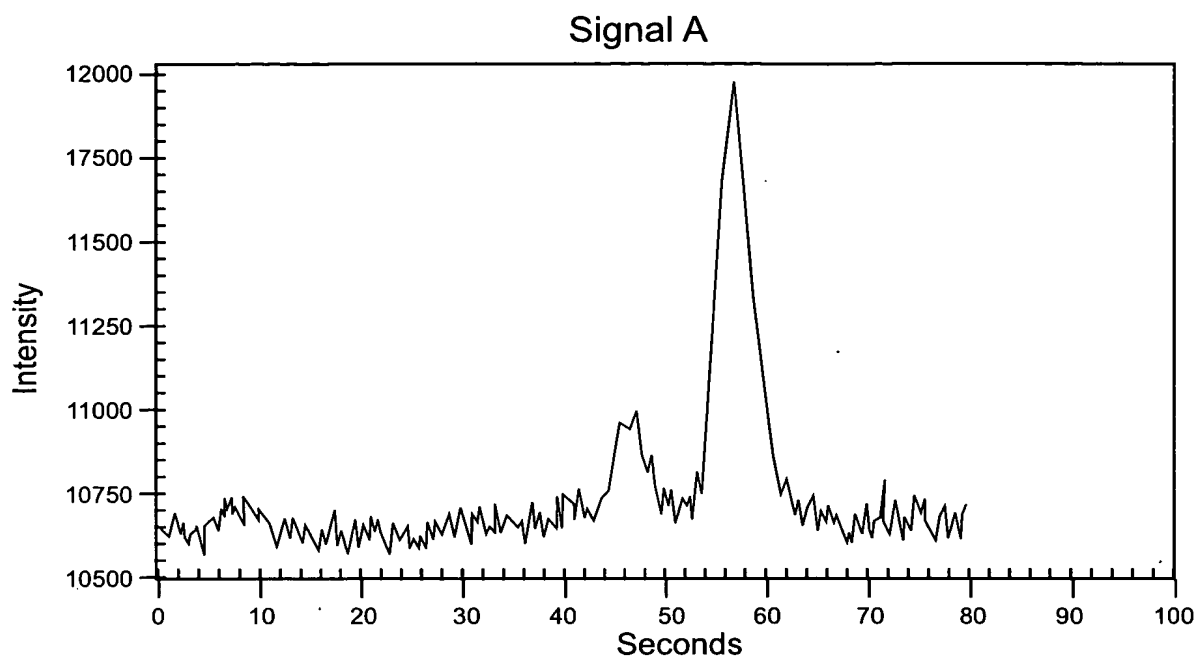


Fig. 14A

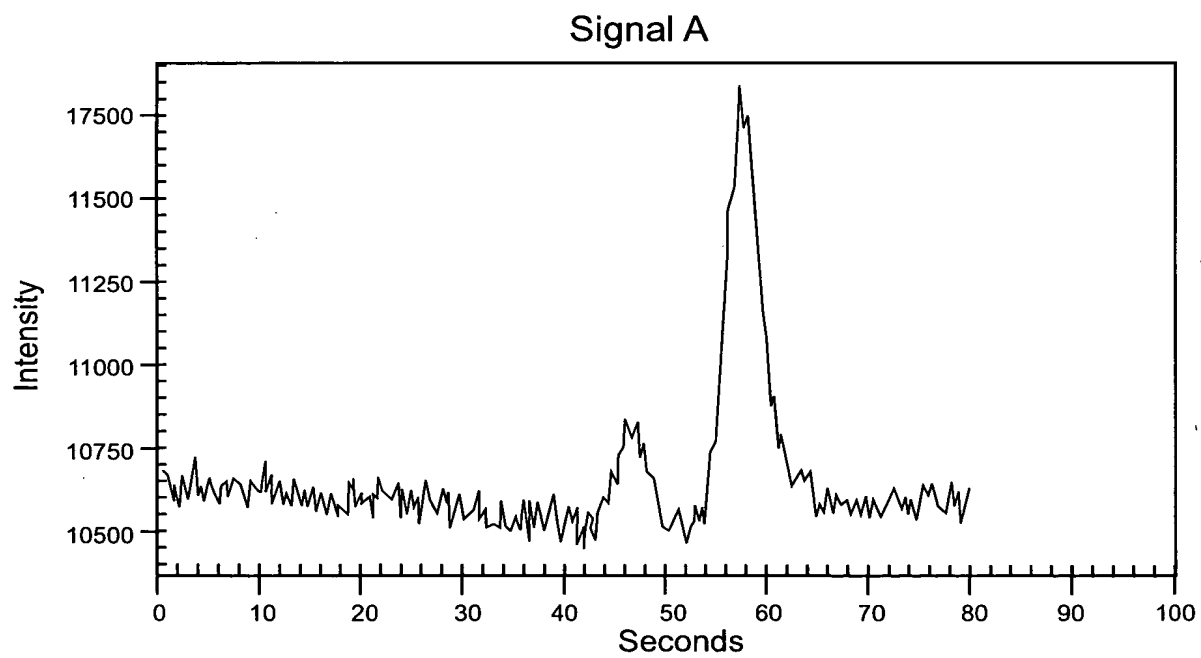


Fig. 14B

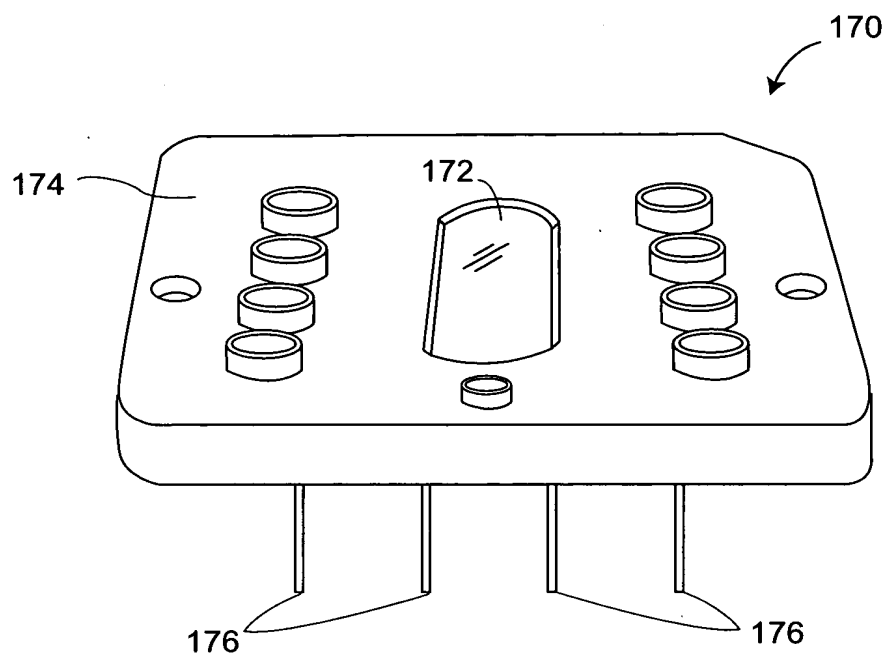


Fig. 15

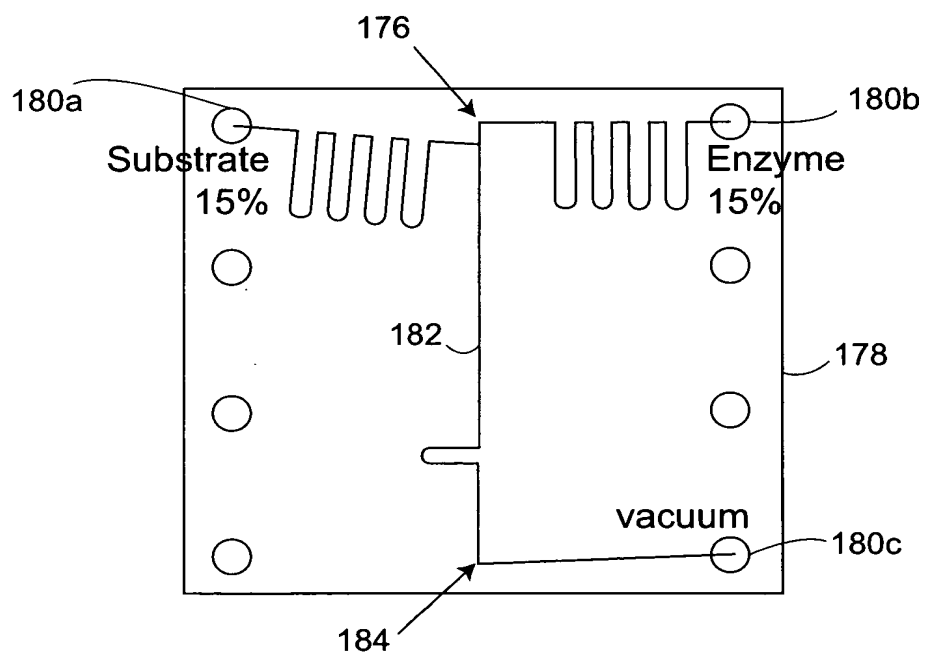


Fig. 16

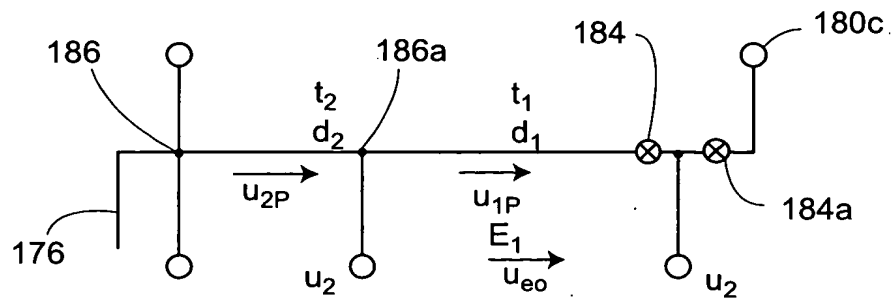


Fig. 16A

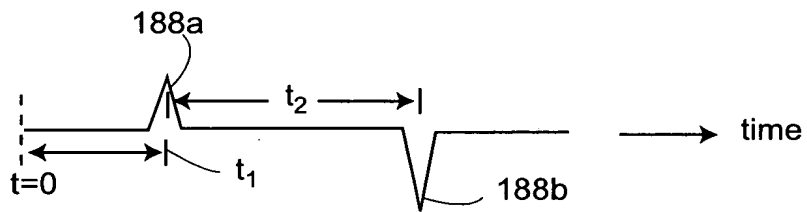


Fig. 16B

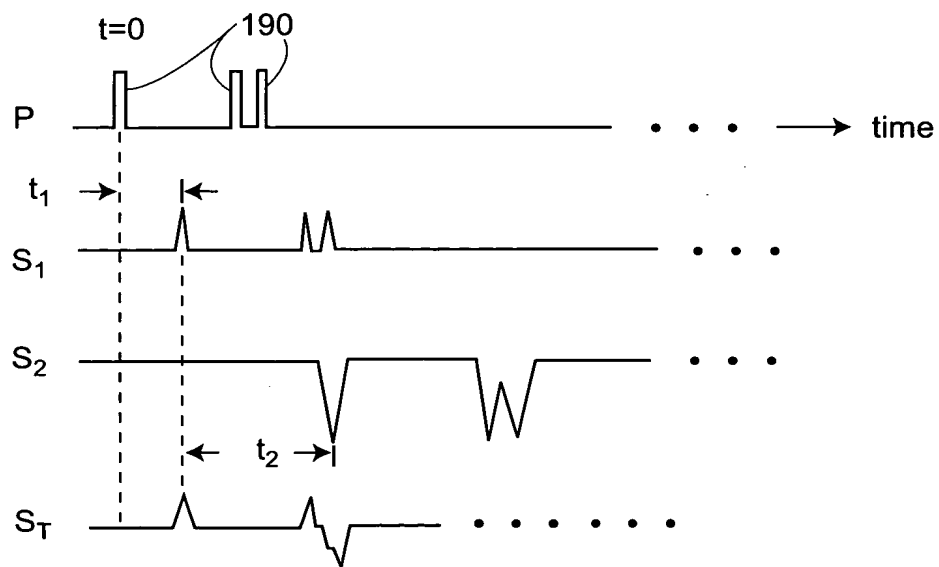


Fig. 16C

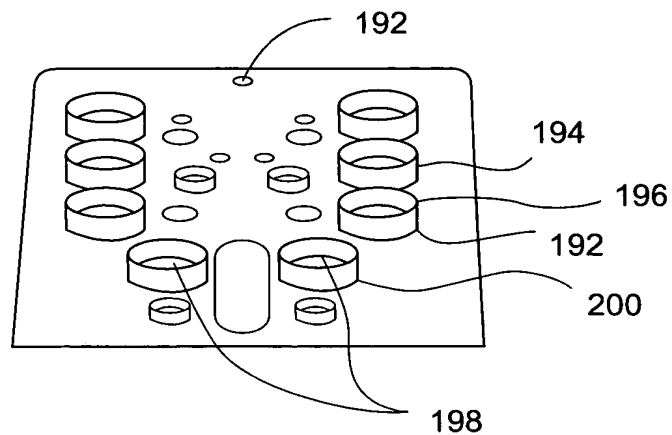


Fig. 17A

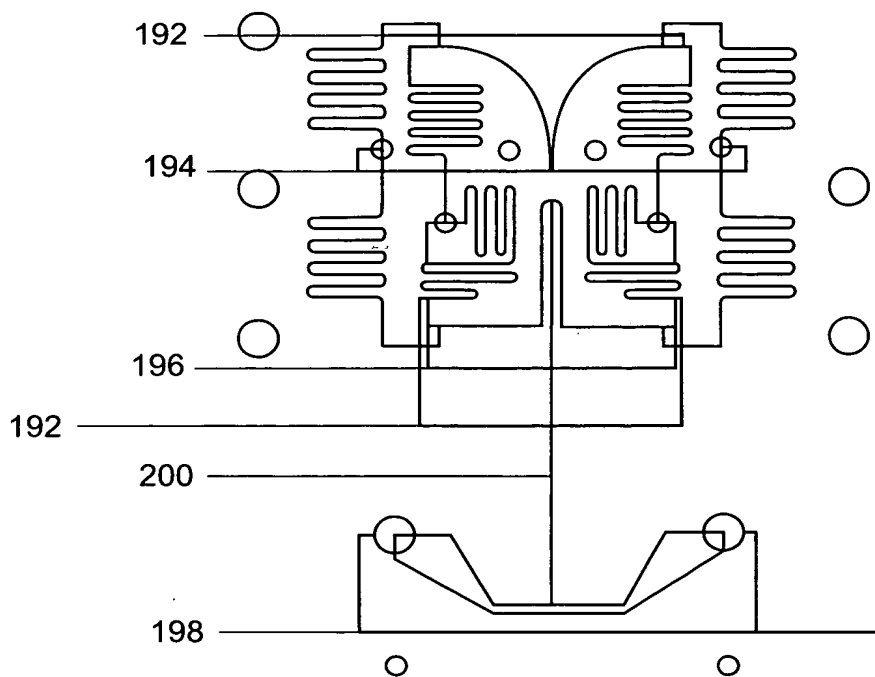
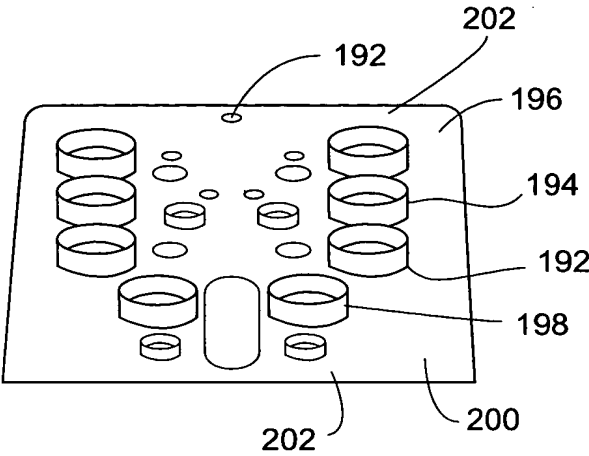


Fig. 17B



194

Fig. 18A

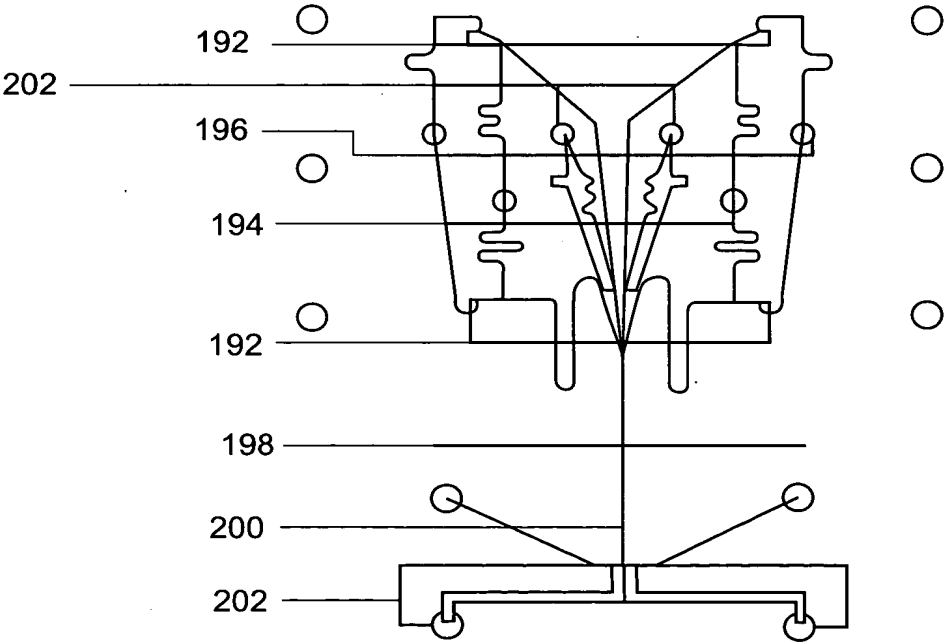


Fig. 18B

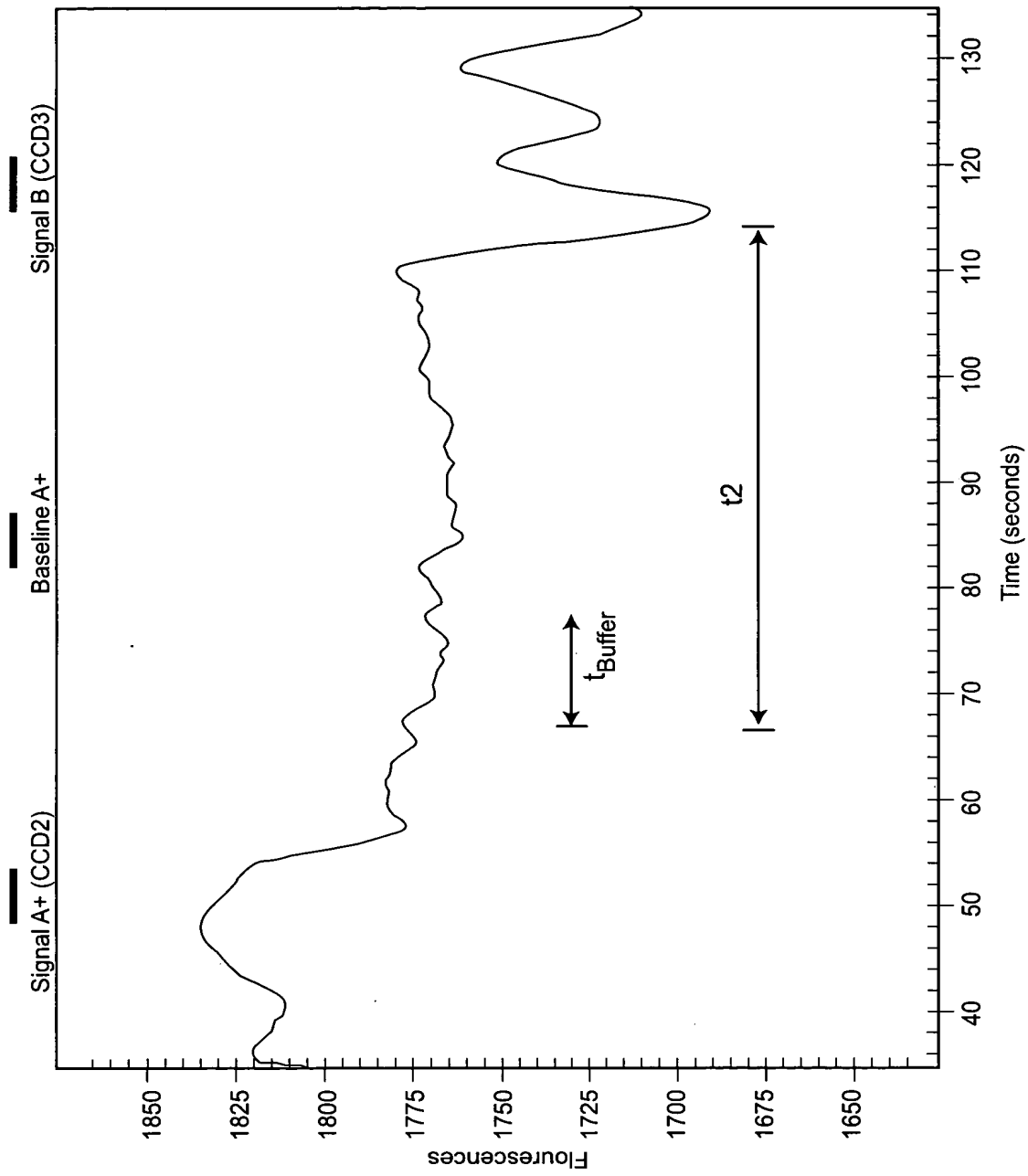


Fig. 19



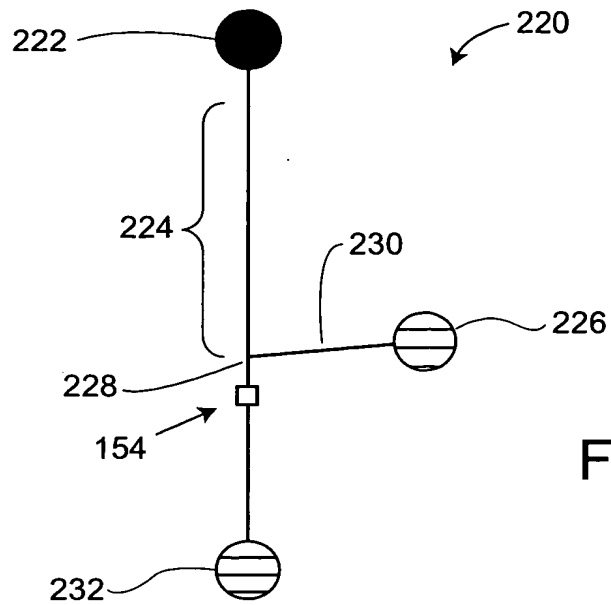


Fig. 20

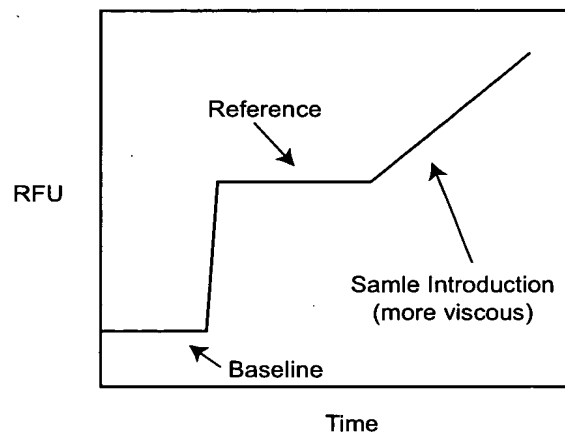


Fig. 21A

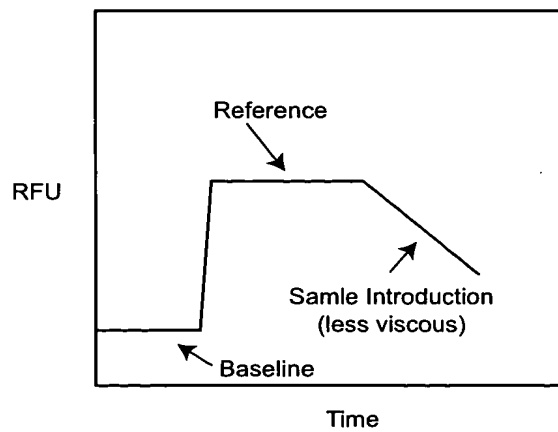


Fig. 21B

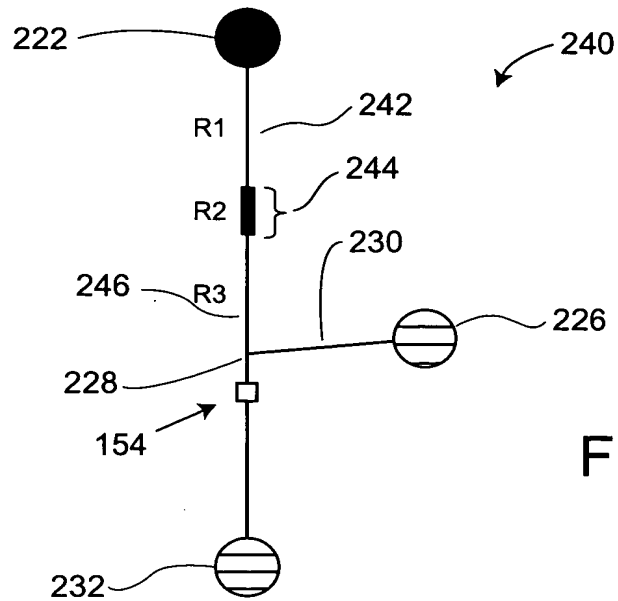


Fig. 22

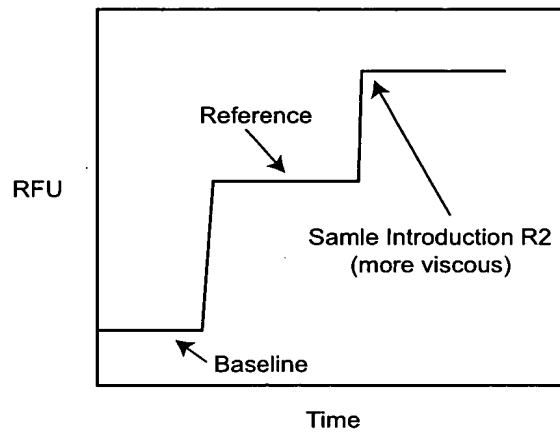


Fig. 23A

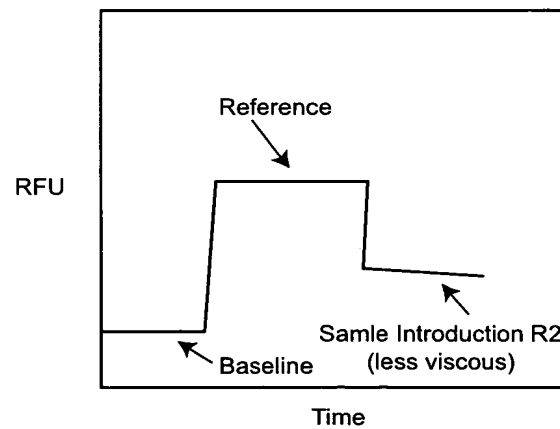


Fig. 23B

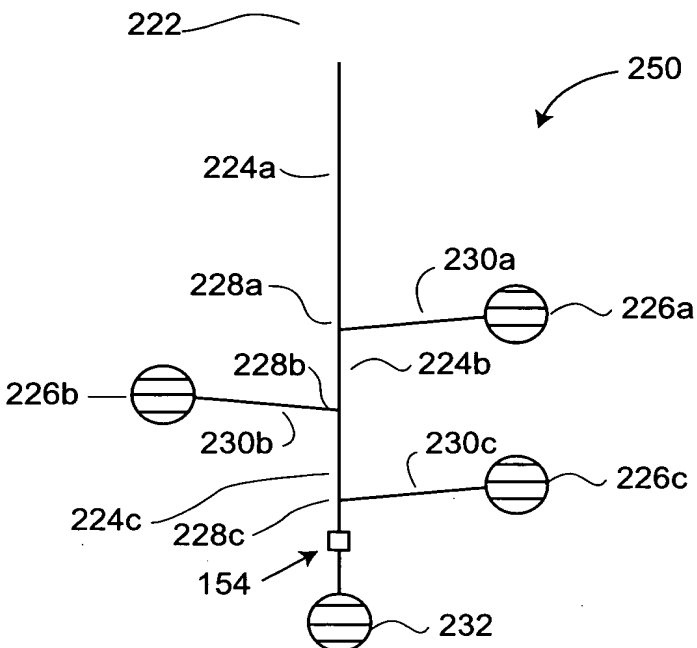
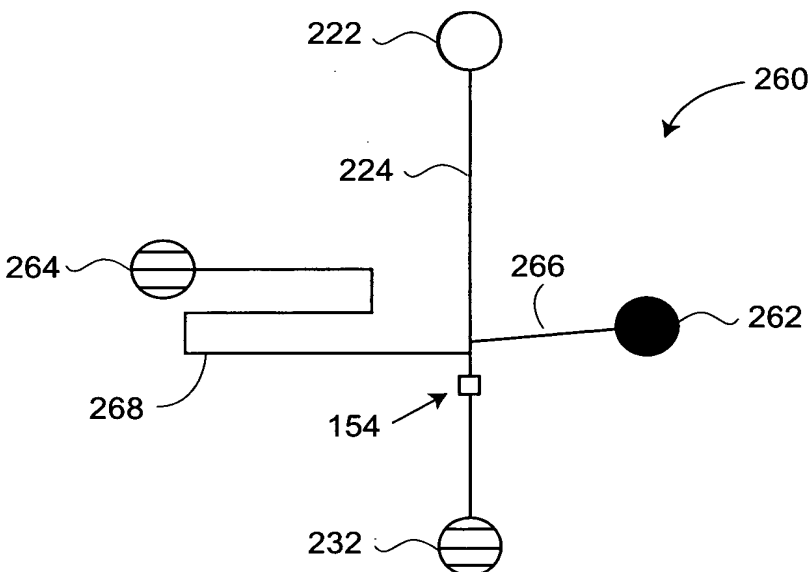


Fig. 24



**Fig. 25**

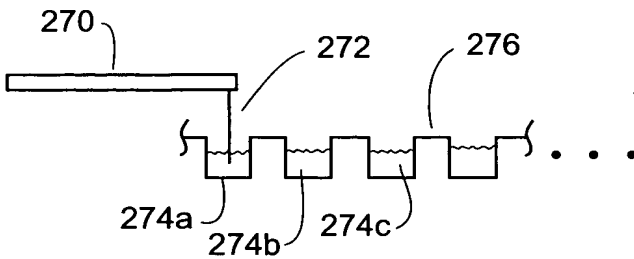


Fig. 26

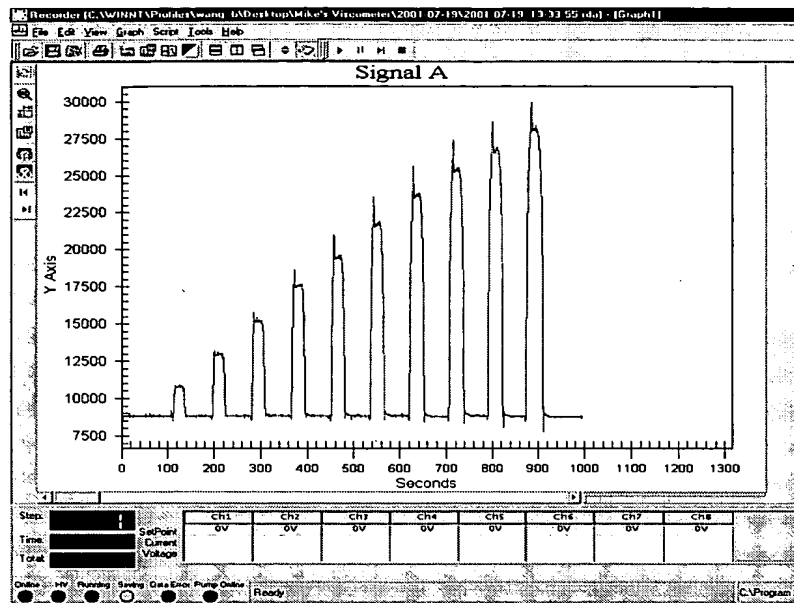


Fig. 27

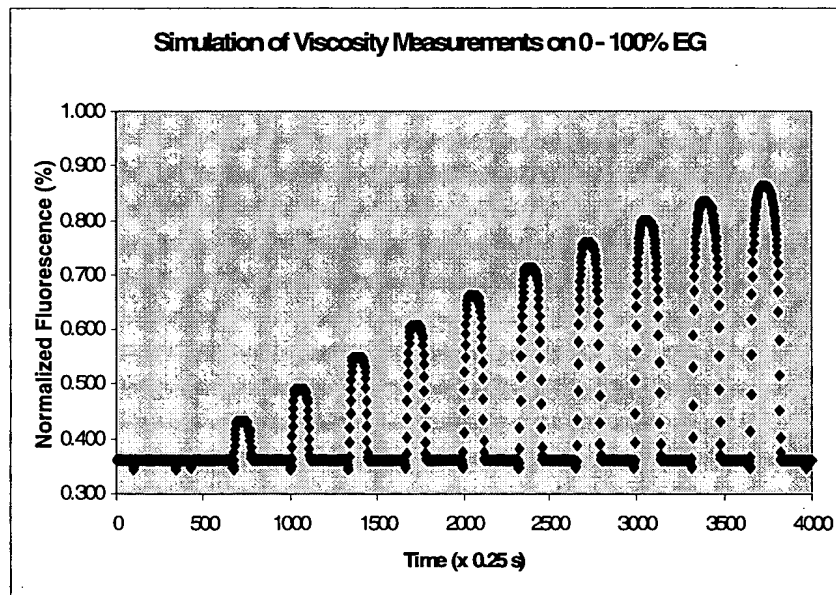


Fig. 28

29/31

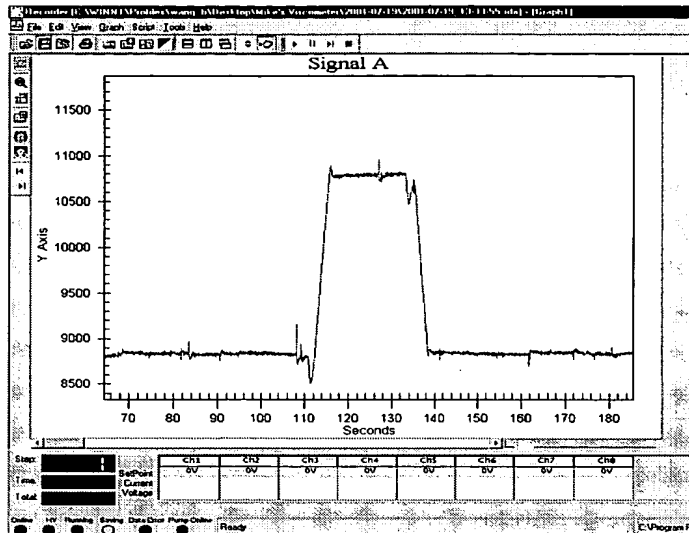


Fig. 29

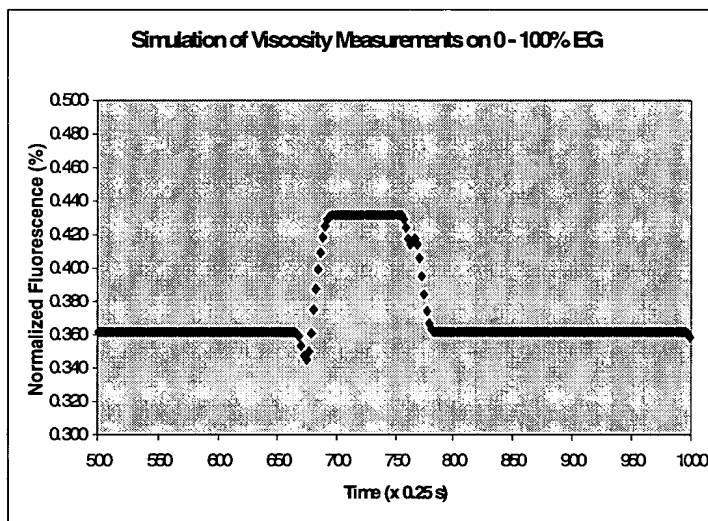


Fig. 30

30/31

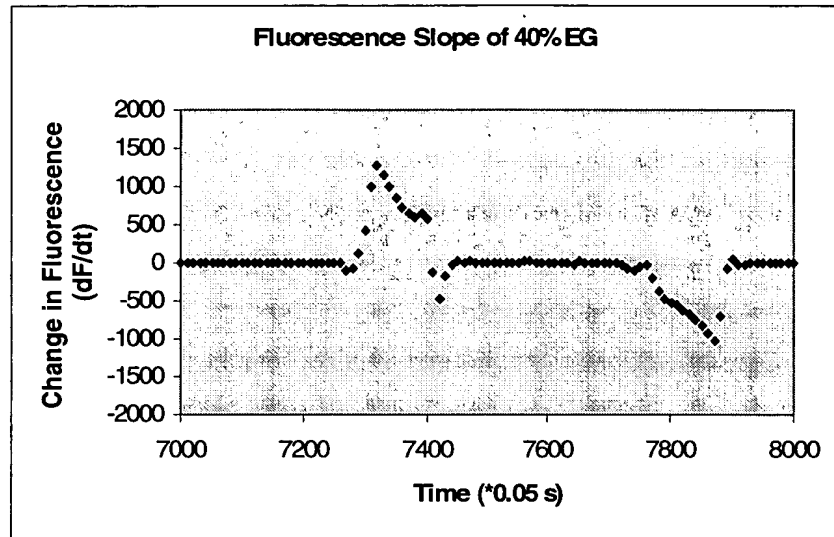


Fig. 31

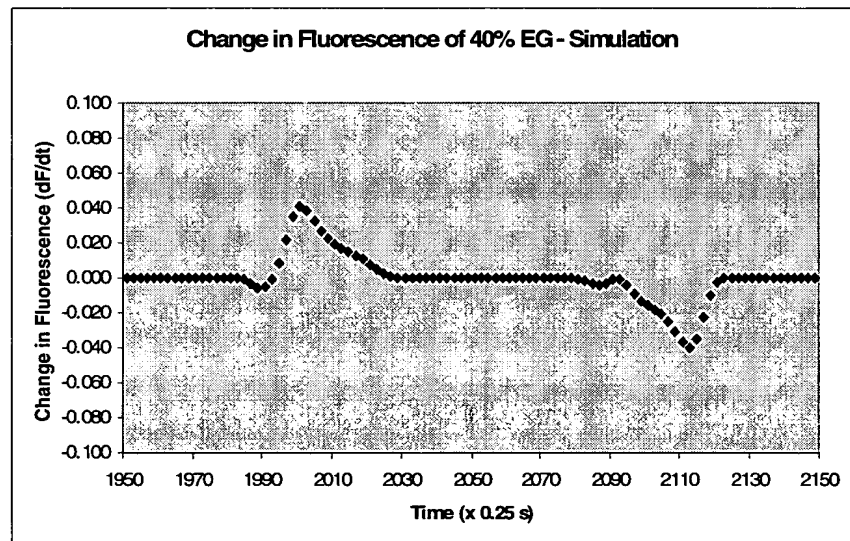


Fig. 32

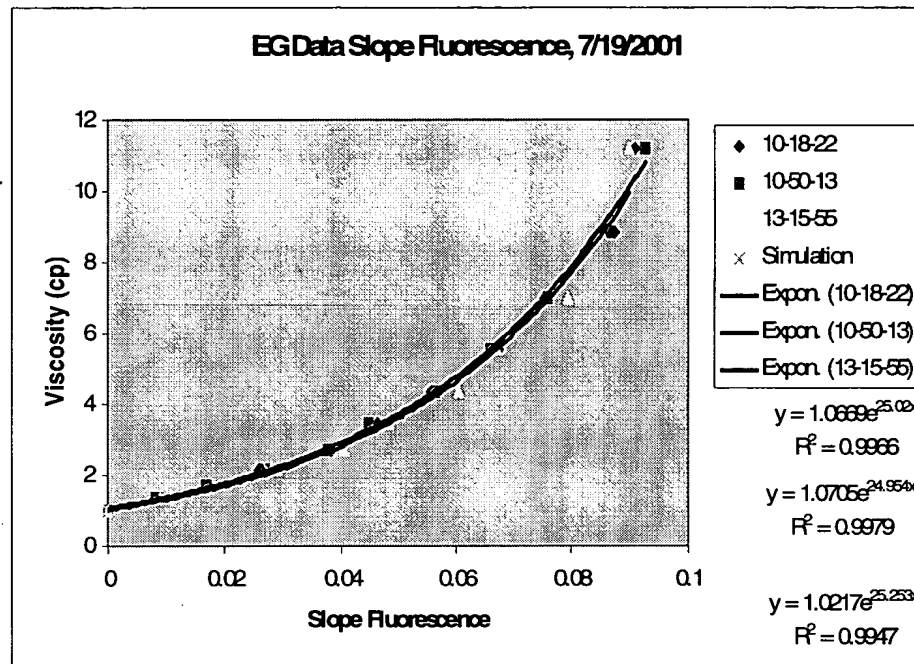


Fig. 33